

Homework 1
(Due: Friday, February 21, 2020)

Question 1: 10 points

Classify each of the structures as statically determinate, statically indeterminate, stable, or unstable. If indeterminate, specify the degree of indeterminacy.

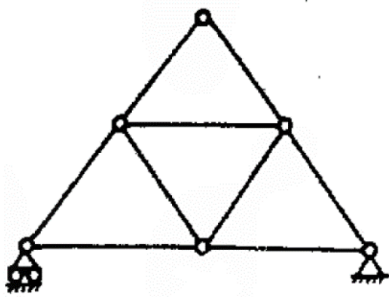


Figure 1:

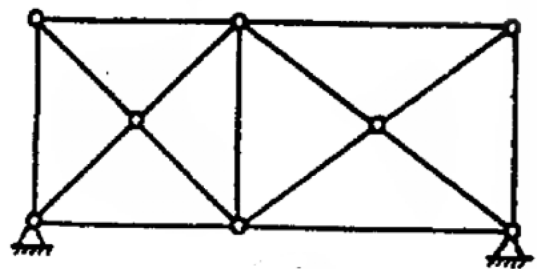


Figure 2:

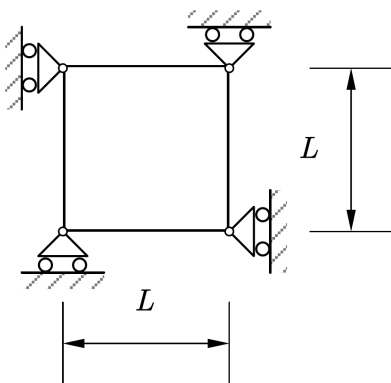


Figure 3:

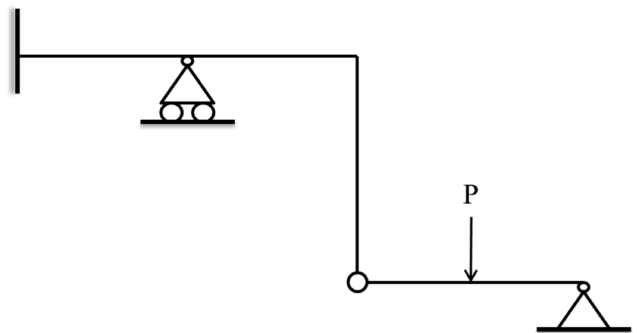


Figure 4:

Question 2: 10 points

Determine the reactions on the structures below. Neglect the thickness of the structures.

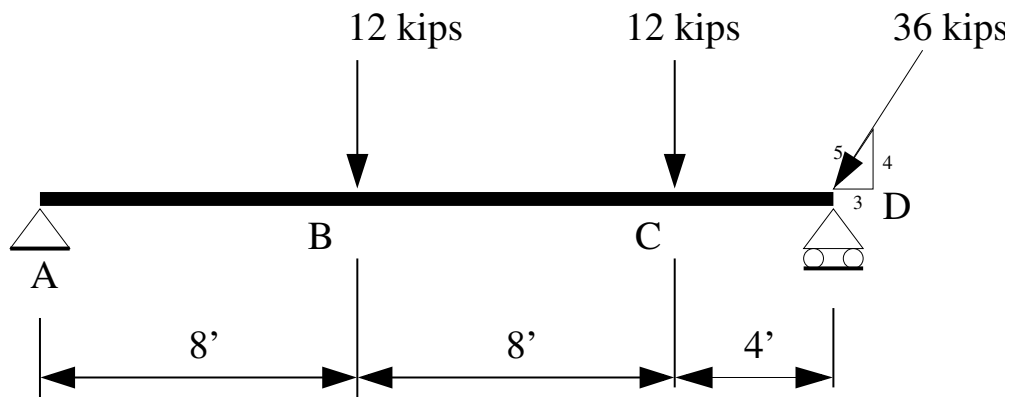


Figure 5: Problem 2 (a)

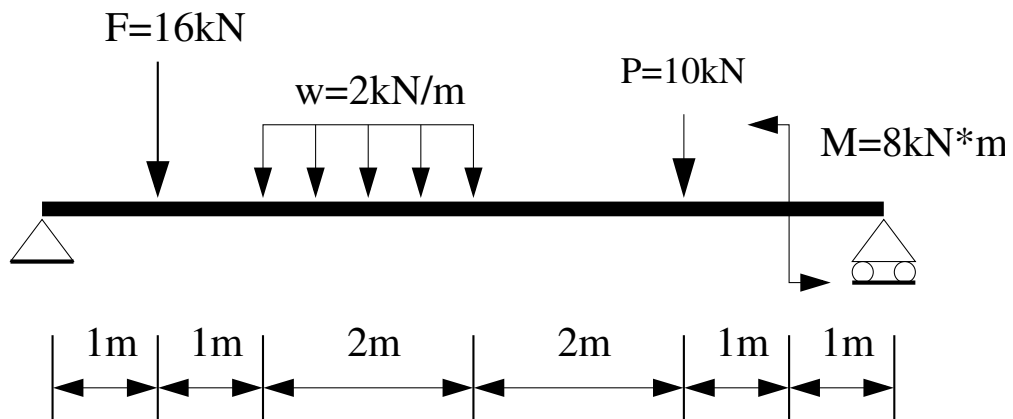


Figure 6: Problem 2 (b)